Please amend the Specification as follows:

Please replace the paragraph beginning at page 5, line 26, with the following paragraph:

Turning now to FIGS. ~~2A and 2B~~ **2A, 2B and 2C**, a schematic block diagram shows the electrical details of the apparatus 10 for monitoring the dynamic loading rate on a mobile roof support using pressure transducers 16 an 18. Apparatus 10 houses the monitoring controller 24 in an explosion-proof enclosure type No. 27122, Certification No. X/P2647-1, provided by Mining Controls Inc. The internal components of the explosion-proof container 32 include the embedded processor microcontroller, MICRO 485, as a programmable controller 34 for controlling solid-state control relays 36, 38, and 40 coupled to green, yellow and red LED clusters 26, 28 and 30, respectively. The solid-state relay controls are 4-channel solenoid/alarm driver modules MTL 2242, each channel being coupled to four light emitting diodes (LEDs) of respective LED clusters, herein green cluster DAG171, yellow cluster DAY171, and red cluster DAR171 also provided by MTL incorporated, as the indicator lights 26, 28 and 30 controlled by drivers 36, 38 and, 40 respectively. Alternative light arrangements, such as multicolor strobes, fluorescent visual indicators and the like, may be provided as sensory indicators, e.g., color visual indicators to miners in the vicinity, which lights may be mounted with magnetic mounting bases. Alternatively, the drivers 36, 38 and 40 may be connected to any alarm devices, such as audible alarms and the like with varying tones or messages provided in accordance with the situation being monitored. The apparatus 10 is powered with low power intrinsically safe power supplies 42 and 44, herein MTL 3991/B 500 milliamp power supply and Acroplan 5EB50 5 volt DC power module, respectively, to satisfy the low power requirements of the apparatus 10. The monitoring controller 24 internal components are provided as being intrinsically safe, and barriers may be provided for the external components.